Exam Style Questions

Area of a Trapezium

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser
You may use tracing paper if needed

Guidance
1. Read each question carefully before you begin answering it.
2. Don’t spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

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Video 48
1. Below is a trapezium, ABCD.

![Trapezium ABCD diagram](image)

Work out the area of the trapezium.

\[ \text{Area} = \frac{1}{2} \times (7 + 10) \times 4 = 22 \text{cm}^2 \]

2. Calculate the area of the trapezium.

![Trapezium diagram](image)

Calculate the area of the trapezium.

\[ \text{Area} = \frac{1}{2} \times (9 + 15) \times 4 = 36 \text{cm}^2 \]

\[ \text{Area} = 36 \text{cm}^2 \]
3. Calculate the area of the trapezium.

4. The area of the trapezium is 63cm².

Work out the value of x.

...............cm
(2)
5. The area of the trapezium is $34\text{cm}^2$. Work out the value of $x$.

\[ \text{...cm} \]  

(2)

6. A club logo is made from a square and a trapezium. Calculate the area of the logo.

\[ \text{...cm}^2 \]  

(4)
7. Shown is a cardboard box.

Calculate the surface area of the box.

..................................cm²
(5)
8. A design is shown below.

Find the area of the design.

..............................................cm²

(5)